AMENDMENTS TO THE SPECIFICATION:

Page 1, before line 3, insert the following as separate paragraphs:

--BACKGROUND

1.   Technical Field--.

Page 1, before line 10, insert the following as a separate paragraph:

--2.   Description of Related Art--.

Please amend the paragraph beginning at page 2, line 17, as follows:

A proposal referred to as "HAWAII" was published 19 February, 1999 as

an Internet-draft entitled "IP Micro-Mobility Support Using HAWAII", R.

Ramjee, T. La Por, S. Thuel, K. Varadh, posted on the Internet Engineering

Taskforce Internet (HTTP:) site at ~~HTTP://~~www.ietf.org/internet-drafts/draft-

rimjee-micro-mobility-hawaii-00.txt. HAWAII uses specialised path set up

schemes which install host-based forwarding entries in specific routers when in a

routing domain to support inter-domain to support intra-domain micro-mobility,

and defaults to using "Mobile-IP" for inter-domain micro-mobility. In HAWAII,

mobile hosts retain their network address while moving within the domain. The

HAWAII architecture relies on a gateway router into a domain, referred to as the

domain root router, to which default routes within the domain are directed. Each

mobile host is assigned a home domain based on its permanent IP address. The

path set up scheme updates a single routing path in a domain so that connectivity to the mobile host is possible both before and after handoff at the wireless link layer. Only routers located along a single routing path between the domain root router and the base station currently serving the mobile host have routing table entries for the mobile host's IP address. The remainder of the routers in the domain route any packets addressed to the mobile host upwards along default routes which rely on the tree-like nature of the routing domain, rooted at the domain root router, to provide an intersection with the downrouting towards the mobile host along the single routing path for which the routers have individual host entries for the mobile host's IP address.

Page 3, before line 23, insert the following as a separate paragraph:

--BRIEF SUMMARY OF EXEMPLARY EMBODIMENTS--.

Page 5, before line 3, insert the following as a separate paragraph:

--BRIEF DESCRIPTION OF THE DRAWINGS--.

Page 5, before line 19, insert the following as a separate paragraph:

--DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS--.

Please amend the paragraph beginning at page 5, line 19, as follows:

Referring now to Figure 1, an example of a fixed/mobile topology in accordance with an embodiment of the present invention is shown. The topology includes, by way of example, three packet switching networks 2, 4, 6 forming an Autonomous System (AS), the extent of which is schematically indicated by dark shading in Figure 1. One definition given for the term Autonomous System, is "a set of routers and networks under the same administration" ("Routing in the Internet", Christian Huitema, Prentice-Hall, 1995, page 158). Herein, the term Autonomous System, also referred to as a routing domain in the art, is also intended to mean a network, or a set of networks, having routers running the same routing protocol. An Autonomous System may be connected to other Autonomous Systems forming a global internetwork such as the Internet (used by way of example hereinafter). The routing protocol is an interior gateway protocol, and communications with other Autonomous Systems are achieved via exterior gateway protocols such as the Border Gateway Protocol (BGP). Examples of known interior gateway protocols are the Routing Information Protocol (RIP) and Open Shortest Path First (OSPF).

Please amend the paragraph beginning at page 24, line 18, as follows:

The Referring now to Figure 5, the new access node BS3 generates a unicast-directed update (UUPD) packet and transmits the packet to its neighbouring node in a fixed infrastructure, node ER3. The UUPD packet is to

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travel along a unicast path between the new access node BS3 and the home access node BS2, updating entries in the routing protocol data tables, and consequently also in at least some of the next-hop forwarding tables, of all nodes along the update path, and all nodes immediately adjacent to the nodes along that path (the nodes along the path transmit an advertisement of their new heights to each immediately neighbouring node, the propagation of the advertisements being limited to one hop).

Please amend the paragraph beginning at page 34, line 1, as follows:

~~CLAIMS~~What is Claimed is:.